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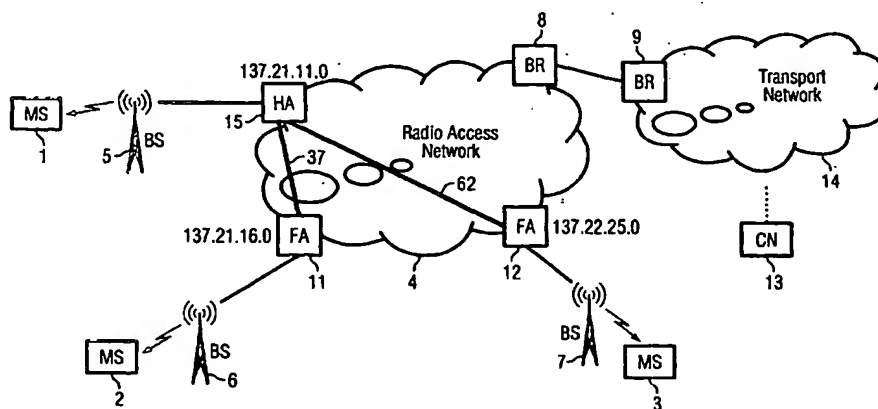
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| <p>(51) International Patent Classification⁷: H04L 12/28, 29/06</p> <p>(21) International Application Number: PCT/EP2002/007860</p> <p>(22) International Filing Date: 15 July 2002 (15.07.2002)</p> <p>(25) Filing Language: English</p> <p>(26) Publication Language: English</p> <p>(71) Applicant (for all designated States except US): SIEMENS AKTIENGESELLSCHAFT [DE/DE]; Wittelsbacherplatz 2, 80333 München (DE).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): EISL, Jochen [DE/DE]; Breslauer Strasse 48, 85748 Garching (DE). RAUTENBERG, Mathias [DE/DE]; Lerchenstrasse 9, 82223 Eichenau (DE).</p> | <p>(74) Common Representative: SIEMENS AKTIENGESELLSCHAFT; Postfach 22 16 34, 80506 München (DE).</p> <p>(81) Designated States (<i>national</i>): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.</p> <p>(84) Designated States (<i>regional</i>): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published: — with international search report</p> |
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(54) Title: HOME AGENT OPTIMIZATION FOR HANDLING MOBILE IP AND STATIC MPLS (MULTIPROTOCOL LABEL SWITCHING)



(S7) Abstract: For optimized IP- routing the invention discloses a home agent and method for transfer of an IP packet over a path from a sender (CN) over a radio access network (RAN, HA, FA 11) to a mobile host (MS2), wherein, when a home agent (HA) receives an incoming data packet determined for a mobile host (MS2) with a destination address (MS2-address 137.21.16.5), the home agent (HA) examines if there is a match between the destination address (MS2-address: 137.21.16.5) of the packet and a subnetwork address (FA 11-address: 137.21.16.0) of a foreign agent (FA 11) stored in a list of subnetwork addresses (137.21.16.0; 137.22.25.0) stored in a list at the home agent (HA), wherein, if there is a match between the destination address (MS2-address: 137.21.16.5) and a subnetwork address (FA 11-address: 137.21.16.0) of a foreign agent, the home agent examines whether a preconfigured path from the home agent (HA) to this foreign agent exists and wherein the home agent (HA) sends the packet to this foreign agent (FA 11) on this preconfigured label switched path (37) if a label switched path (37) to this foreign agent exists.

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